from USPATOLD

NEWS 29 JAN 02 STN pricing information for 2008 now available

NEWS 30 JAN 16 CAS patent coverage enhanced to include exemplified prophetic substances

NEWS 31 JAN 28 USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats

NEWS 32 JAN 28 MARPAT searching enhanced

NEWS 33 JAN 28 USGENE now provides USPTO sequence data within 3 days of publication

NEWS 34 JAN 28 TOXCENTER enhanced with reloaded MEDLINE segment

NEWS 35 JAN 28 MEDLINE and LMEDLINE reloaded with enhancements

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 20:24:37 ON 01 FEB 2008

=> file reg COST IN U.S. DOLLARS

SINCE FILE TOTAL
ENTRY SESSION
1.68 1.68

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 20:29:23 ON 01 FEB 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 31 JAN 2008 HIGHEST RN 1001228-41-6 DICTIONARY FILE UPDATES: 31 JAN 2008 HIGHEST RN 1001228-41-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>

Uploading C:\Program Files\Stnexp\Queries\10594996.str

chain nodes :
13 14 15 16 17 18 19 22 23 26 27 28 29 30 31
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
5-13 7-30 8-14 9-29 10-28 11-15 12-31 13-14 15-16 15-26 15-27
16-17 16-22 16-23 17-18 17-19
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
7-30 8-14 9-29 10-28 12-31 15-26 15-27 16-22 16-23 17-18 17-19
exact bonds :
5-13 11-15 13-14 15-16 16-17
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

G1:0, N

G2:H,X,Ak

G3:H,O,X,Ak

## Match level:

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 22:CLASS 23:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS

# L1 STRUCTURE UPLOADED

isolated ring systems:

containing 1 : 7 :

=> s 11

SAMPLE SEARCH INITIATED 20:29:53 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 4505 TO ITERATE

44.4% PROCESSED 2000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.01

50 ANSWERS

00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 86075 TO 94125 PROJECTED ANSWERS: 12338 TO 15502

L2 50 SEA SSS SAM L1

=> s l1 ful

FULL SEARCH INITIATED 20:30:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 90745 TO ITERATE

100.0% PROCESSED 90745 ITERATIONS

14329 ANSWERS

SEARCH TIME: 00.00.02

L3 14329 SEA SSS FUL L1

=>

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chain nodes :

13 14 15 16 17 18 19 22 23 26 27 28 29 30 31 33 34 ring nodes : 1 2 3 4 5 6 7 8 9 10 11 12 chain bonds : 2-33 5-13 7-30 8-14 9-29 10-28 11-15 12-31 13-14 15-16 15-26 15-27 16-17 16-22 16-23 17-18 17-19 33-34 ring bonds : 1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12exact/norm bonds : 7-30 8-14 9-29 10-28 12-31 15-26 15-27 16-22 16-23 17-18 17-1933-34 exact bonds : 2-33 5-13 11-15 13-14 15-16 16-17 normalized bonds : 1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 isolated ring systems : containing 1 : 7 :

G1:0,N

G2:H, X, Ak

G3:H,O,X,Ak

#### Match level:

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 22:CLASS 23:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS 33:CLASS 34:Atom

## L4 STRUCTURE UPLOADED

=> s 14

SAMPLE SEARCH INITIATED 20:33:45 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 4505 TO ITERATE

44.4% PROCESSED 2000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.01

3 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 86075 TO 94125 PROJECTED ANSWERS: 3 TO 290

L5 3 SEA SSS SAM L4

=> s 14 ful

FULL SEARCH INITIATED 20:33:55 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 90745 TO ITERATE

100.0% PROCESSED 90745 ITERATIONS

132 ANSWERS

SEARCH TIME: 00.00.02

L6 132 SEA SSS FUL L4

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST 360.40 362.08

FILE 'CAPLUS' ENTERED AT 20:35:16 ON 01 FEB 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 1 Feb 2008 VOL 148 ISS 6 FILE LAST UPDATED: 31 Jan 2008 (20080131/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/infopolicy.html

=> s 16

L7 5 L6

=>

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chain nodes :
13 14 15 16 17 18 19 22 23 26 27 28 29 30 31 33 34 37
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
5-13 7-30 8-14 9-29 10-28 11-15 12-31 13-14 15-16 15-26 15-27
16-17 16-22 16-23 17-18 17-19 33-34 33-37
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :

7-30 8-14 9-29 10-28 12-31 15-26 15-27 16-22 16-23 17-18 17-19 33-34

exact bonds :

5-13 11-15 13-14 15-16 16-17 33-37

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

isolated ring systems :

containing 1 : 7 :

G1:0,N

G2:H, X, Ak

G3:H,O,X,Ak

Match level:

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 22:CLASS 23:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS 33:CLASS 34:Atom 37:CLASS 38:Atom

L8 STRUCTURE UPLOADED

=> s 18

REG1stRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress... Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 20:38:10 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 4521 TO ITERATE

44.2% PROCESSED 2000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.01

3 ANSWERS

FULL FILE PROJECTIONS:

ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS:

86388 TO 94452

PROJECTED ANSWERS:

3 TO 291

L9 3 SEA SSS SAM L8

L10

1 L9

=>

Uploading C:\Program Files\Stnexp\Queries\105949963.str

chain nodes :
12 13 14 15 16 17 18 21 22 25 26 27 28 29 30 32 33 36
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 37
chain bonds :
4-12 6-29 7-13 8-28 9-27 10-14 11-30 12-13 14-15 14-25 14-26
15-16 15-21 15-22 16-17 16-18 32-33 32-36

ring bonds:
1-2 1-5 2-3 3-37 4-5 4-37 6-7 6-11 7-8 8-9 9-10 10-11
exact/norm bonds:
6-29 7-13 8-28 9-27 11-30 14-25 14-26 15-21 15-22 16-17 16-18
32-33
exact bonds:
4-12 10-14 12-13 14-15 15-16 32-36
normalized bonds:
1-2 1-5 2-3 3-37 4-5 4-37 6-7 6-11 7-8 8-9 9-10 10-11
isolated ring systems:
containing 1: 6:

G1:0, N

G2:H,X,Ak

G3:H,O,X,Ak

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 21:CLASS 22:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS 32:CLASS 33:Atom 36:CLASS 37:Atom 38:Atom

## L11 STRUCTURE UPLOADED

=> s 111

REG1stRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress... Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 20:40:32 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 4521 TO ITERATE

44.2% PROCESSED 2000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 86388 TO 94452 PROJECTED ANSWERS: 0 TO 0

Connecting via Winsock to STN

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LOGINID:ssspta1201txs

#### PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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     1
                 Web Page for STN Seminar Schedule - N. America
NEWS
      2 AUG 06
                CAS REGISTRY enhanced with new experimental property tags
      3 AUG 06 FSTA enhanced with new thesaurus edition
NEWS
NEWS
     4 AUG 13
                CA/CAplus enhanced with additional kind codes for granted
                 patents
      5 AUG 20
NEWS
                CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS
      6 AUG 27
                Full-text patent databases enhanced with predefined
                 patent family display formats from INPADOCDB
      7 AUG 27
NEWS.
                USPATOLD now available on STN
NEWS
     8 AUG 28
                CAS REGISTRY enhanced with additional experimental
                 spectral property data
NEWS
     9 SEP 07
                STN AnaVist, Version 2.0, now available with Derwent
                World Patents Index
NEWS 10 SEP 13
                FORIS renamed to SOFIS
NEWS 11
         SEP 13
                INPADOCDB enhanced with monthly SDI frequency
NEWS 12 SEP 17
                CA/CAplus enhanced with printed CA page images from
                 1967-1998
NEWS 13
        SEP 17
                CAplus coverage extended to include traditional medicine
                patents
NEWS 14
        SEP 24
                EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 15 OCT 02
                CA/CAplus enhanced with pre-1907 records from Chemisches
                 Zentralblatt
NEWS 16 OCT 19
                BEILSTEIN updated with new compounds
NEWS 17
        NOV 15
                Derwent Indian patent publication number format enhanced
NEWS 18
        NOV 19
                WPIX enhanced with XML display format
NEWS 19
        NOV 30
                ICSD reloaded with enhancements
NEWS 20
        DEC 04
                LINPADOCDB now available on STN
NEWS 21
        DEC 14
                BEILSTEIN pricing structure to change
NEWS 22
        DEC 17
                USPATOLD added to additional database clusters
        DEC 17
NEWS 23
                IMSDRUGCONF removed from database clusters and STN
NEWS 24
        DEC 17
                DGENE now includes more than 10 million sequences
NEWS 25
        DEC 17
                TOXCENTER enhanced with 2008 MeSH vocabulary in
                MEDLINE segment
NEWS 26
        DEC 17
                MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 27
        DEC 17
                CA/CAplus enhanced with new custom IPC display formats
NEWS 28
        DEC 17
                STN Viewer enhanced with full-text patent content
```

INVENTOR(S):

L12 0 SEA SSS SAM L11 0 L12 L13 => d his (FILE 'HOME' ENTERED AT 20:24:37 ON 01 FEB 2008) FILE 'REGISTRY' ENTERED AT 20:29:23 ON 01 FEB 2008 L1 STRUCTURE UPLOADED 50 S L1 L2 L3 14329 S L1 FUL L4STRUCTURE UPLOADED L53 S L4 L6 132 S L4 FUL FILE 'CAPLUS' ENTERED AT 20:35:16 ON 01 FEB 2008 L7 5 S L6 rsSTRUCTURE UPLOADED S L8 FILE 'REGISTRY' ENTERED AT 20:38:10 ON 01 FEB 2008 L9 3 S L8 FILE 'CAPLUS' ENTERED AT 20:38:11 ON 01 FEB 2008 L10 1 S L9 L11STRUCTURE UPLOADED S L11 FILE 'REGISTRY' ENTERED AT 20:40:32 ON 01 FEB 2008 L12 FILE 'CAPLUS' ENTERED AT 20:40:32 ON 01 FEB 2008 L13 0 S L12 => dup rem 110 17 PROCESSING COMPLETED FOR L10 PROCESSING COMPLETED FOR L7 L145 DUP REM L10 L7 (1 DUPLICATE REMOVED) => d l14 ibib abs hitstr hitind 1-5 L14 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN DUPLICATE 1 ACCESSION NUMBER: 2005:1103743 CAPLUS DOCUMENT NUMBER: 143:387061 TITLE: Preparation of alkoxyphenylpropanoic acid derivatives as GPR40 receptor function regulators

PATENT ASSIGNEE(S): Takeda Pharmaceutical Company Limited, Japan

Yasuma, Tsuneo; Kitamura, Shuji; Sakai, Nozomu

SOURCE:

PCT Int. Appl., 169 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent Japanese

LANGUAGE:

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

	PATENT NO.					KIND DATE				APPLICATION NO.					DATE				
	WO	2005	0953	38		A1		2005	1013						- 20050328				
		W:	ΑE,	AG,	AL,	AM,	AT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	ΒZ,	CA,	CH,	
			CN,	co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	ĒC,	EE,	EG,	ES,	FI,	GB,	GD,	
			GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JΡ,	ΚE,	KG,	KP,	KR,	ΚZ,	LC,	
			LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	ΜZ,	NA,	NI,	
			NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SM,	
			SY,	ТJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,		
ZM,	ZW																		
		RW:	BW,	GH,	GM,	KE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	
			ΑZ,	BY,	KG,	KZ,	MD,	RU,	ТJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	
			EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙE,	IS,	ΙΤ,	LT,	LU,	MC,	NL,	PL,	PT,	
								BF,											
			MR,	NE,	SN,	TD,	ΤG												
	ΕP	1731	505			A1		2006	1213	1	EP 20	005-1	7275	36		20	0503	328	
		R:	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙE,	
			IS,	ΙΤ,	LI,	LT,	LU,	MC,	NL,	PL,	PT,	RO,	SE,	SI,	SK,	TR			
	US	2007	2133	64		A1		2007	0913	į	US 20	006-5	59499	96		20	0609	929	
PRIORITY APPLN. INFO.:			.:					ı	JP 20	004-3	1011	49	I	A 20	0403	330			
										1	WO 20	005-	JP652	22	V	<b>V</b> 20	0503	328	

OTHER SOURCE(S): MARPAT 143:387061

GI

AB Title compds. I [Het = (un) substituted heterocycle; n = 0, 1; R1, R2 = H,

alkyl, halo; R3 = (un)substituted hydroxy, (un)substituted amino; R4 =

(un)substituted hydrocarbon, (un)substituted hydroxy, etc.; R5, R6 = H,
alkyl, halo; R7, R8 = H, alkyl, halo, etc.] were prepared For example,
1,1'-(azodicarbonyl)dipiperidine mediated alkylation of

Ι

3-(4-hydroxyphenyl)propanoic acid Me ester with [3-(1,3,5-trimethyl-1H-pyrazol-4-yl)phenyl]methanol, e.g., prepared from

4-bromo-1,3,5-trimethyl-1H-

pyrazole in 2 steps, followed by hydrolysis using NaOH afforded compound  ${\tt II}$ 

[R = 1,3,5-trimethyl-1H-pyrazol-4-yl]. Compound II [R = 2,4,5-trimethyl-3-thienyl] has function regulating effect on GPR40 (G protein-coupled receptor 40) receptor with the EC50 value of <10 nM. Compds. I are claimed useful for the treatment of diabetes.

Formulations

Η,

are given.

IT 866586-88-1P 866586-99-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of alkoxyphenylpropanoic acid derivs. as GPR40 receptor function regulators for treatment of diabetes)

RN 866586-88-1 CAPLUS

CN Benzenepropanoic acid,

4-[[4-[(2-phenyl-4-morpholinyl)methyl]phenyl]methox

## y] - (CA INDEX NAME)

RN 866586-99-4 CAPLUS
CN Benzenepropanoic acid,
4-[[4-[(4-phenyl-1-piperidinyl)methyl]phenyl]methox
 y]- (CA INDEX NAME)

IC ICM C07D207-08 C07D207-06; C07D207-12; C07D207-16; C07D207-24; C07D207-325; ICS C07D209-08; C07D209-10; C07D209-22; C07D211-08; C07D211-18; C07D211-46; C07D211-60; C07D213-36; C07D215-06; C07D217-04; C07D223-16; C07D231-12; C07D233-60; C07D235-18 CC 28-17 (Heterocyclic Compounds (More Than One Hetero Atom)) Section cross-reference(s): 1, 63 TΤ 866586-15-4P 866586-17-6P 866586-21-2P 866586-23-4P 866586-26-7P 866586-29-0P 866586-31-4P 866586-33-6P 866586-34-7P 866586-35-8P 866586-37-0P 866586-39**-**2P 866586-40-5P 866586-41-6P 866586-42-7P 866586-43**-**8P 866586-44-9P 866586-45-0P 866586-46-1P 866586-47-2P 866586-48-3P 866586-50-7P 866586-49**-**4P 866586-51-8P 866586-52-9P 866586-53**-**0P 866586-54-1P 866586-55-2P 866586-56-3P 866586-58-5P 866586-59-6P 866586-60-9P 866586-61-0P 866586-62-1P 866586-63-2P 866586-64-3P 866586-65-4P 866586-67-6P 866586-66-5P 866586-68-7P 866586-69-8P 866586-70-1P 866586-71-2P 866586-72-3P 866586-73-4P 866586-74-5P 866586-75-6P 866586-76-7P 866586-77-8P 866586-78-9P 866586-80-3P 866586-82-5P 866586-83-6P 866586-84-7P 866586-85-8P

		•		
		66586-88-1P		
866586-90-5P 8	366586-91-6P	866586-92-7P	866586-93-8P	
866586-95 <b>-</b> 0P	366586-96-1P	866586-97 <b>-</b> 2P	866586-98-3P	
866586-99-4P 8	366587-00-0P	866587-02-2P	866587-04-4P	
	366587-08-8P	866587-10-2P		
866587-14-6P	300007 00 01	000007 10 21	000307 12 41	
866587-16-8P	366587-18-0P	866587-20-4P	866587-22-6P	
866587-24-8P				
	366587-28 <b>-</b> 2P	866587-30 <b>-</b> 6P	866587-32-8P	
866587-34-0P 866587-36-2P	366587-38-4P	0.66607 40 00	0.665.07 42 00	
866587-44 <b>-</b> 2P	366387-38-4P	866587-40-8P	866587-42-0P	
	366587-47 <b>-</b> 5P	866587-48-6P	866587-50-0P	
866587-51-1P	70000 17 01	000007 10 01	000007 00 01	
	366587-54-4P	866587-57-7P	866587-60-2P	
866587-63-5P				
	366587-67 <b>-</b> 9P	866587-69-1P	866587-71-5P	
866587-73-7P 866587-75-9P	366587-77 <b>-</b> 1P	866587-79-3P		
			nthetic preparation); THU	
	e); BIOL (Biol	ogical study);	PREP (Preparation); USES	
(Uses)				
			id derivs. as GPR40 recept	01
function regu	lators for tr	eatment of dia	betes)	
REFERENCE COUNT:			D REFERENCES AVAILABLE FOR	
THIS				
•	REC	ORD. ALL CITAT	IONS AVAILABLE IN THE RE	
FORMAT				
L14 ANSWER 2 OF 5 (	CAPLUS COPYRI	GHT 2008 ACS o	~ CON	
			n STN	
ACCESSION NUMBER:	2005:1026			
DOCUMENT NUMBER:	143:32609			
TITLE:	Preparati	on of arylmeth	oxyphenyl-alkylcarboxylic	
acids				
metabolic	and relat	ed derivatives	for use in treating	
me caborre	disorders			
INVENTOR(S):			e, Jonathan; Lin, Daniel C	
H.;	Akerman,	MICHEITE, HOUZ	e, donachan, bin, baniei c	•
	Tin. Jiwe	n: Luo Jian:	Medina, Julio C.; Qiu, Wei	:
			rma, Rajiv; Shuttleworth,	•
			Zhang, Jian; Zhu, Liusheng	
PATENT ASSIGNEE(S):		., USA; et al.	Zhang, Olan, Zhu, Dlasheng	
SOURCE:		Appl., 163 pp.		
	CODEN: PI	XXD2		
DOCUMENT TYPE:	Patent			
LANGUAGE:	English			
FAMILY ACC. NUM. COUN	NT: 1			
PATENT INFORMATION:				

PATENT NO. KIND DATE APPLICATION NO. DATE

							_								_ <b></b>	_		
	WO	2005	0866	61		A2		2005	0922		WO 2	005-	US58	1.5		2	0050	224
		2005				A3			0504					_		_		
		W:			AL.					BA.	BB.	BG,	BR.	BW.	BY.	B7.	CA.	CH.
												EC,						
												JP,						
												MK,						
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			IS,	IT,	LI,	LT,	LU,	MC,	NL,	PL,	PT,	RO,	SE,	SI,	SK,	TR,	AL,	BA,
			HR,	LV,	MK,	YU												
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	US	2006	0040	12		A1		2006	0105		US 2	005-	6737	7		2	0050	225
	MX	2006	PA09	793		Α		2006	1030			006-					0060	828
	US	2007	1423	84		A1		2007			US 2	006-	5912	14		2	0060	
	KR	2007	0047	69		Α		2007			KR 2	006-	7197	13		2	0060	
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OTHER SOURCE(S): GI

MARPAT 143:326090

II

AB Title compds. Q-L1-P-L2-M-X-L3-A [Q = H, (hetero)aryl, alkyl, etc.; L1 =

bond, alkylene, heteroalkylene, O, etc.; P = (hetero)aromatic, cycloalkylene,

O, SO0-2; L3 = bond, alkylene, heteroalkylene, etc.; A = COOH, tetrazolyl,

SO3H, PO3H2, etc.; I] are prepared For instance, (S)-3-[4-((4'-trifluoromethyl-1,1'-biphenyl-3-yl)methoxy)phenyl]hexan-4-ynoic acid

is prepared in 5 steps from (S)-3-(4-hydroxyphenyl)hexan-4-ynoic acid Me

ester (preparation given), 4-(trifluoromethyl)phenylboronic acid and 3-bromobenzoic acid. II has an EC50 < 0.1  $\mu$ M for human G protein-coupled receptor GPR40. I are useful for the treatment of type II

diabetes.

IT 865231-78-3P 865231-79-4P 865231-80-7P 865231-81-8P 865233-00-7P 865233-01-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of arylmethoxyphenyl-alkylcarboxylic acids and related derivs.

as GPCR40 ligands for use in treating metabolic disorders)

RN 865231-78-3 CAPLUS

CN Benzenepropanoic acid,  $\beta$ -1-propynyl-4-[[4-(2-pyridinyl)phenyl]methoxy]- (9CI) (CA INDEX NAME)

$$CH_2-CO_2H$$
 $CH-C = C-Me$ 

RN 865231-79-4 CAPLUS

CN Benzenepropanoic acid,  $\beta$ -1-propynyl-4-[[4-(3-pyridinyl)phenyl]methoxy]- (9CI) (CA INDEX NAME)

$$CH_2-CO_2H$$
 $CH-C \equiv C-Me$ 

RN 865231-80-7 CAPLUS

CN Benzenepropanoic acid,  $\beta$ -1-propynyl-4-[[4-(4-pyridinyl)phenyl]methoxy]- (9CI) (CA INDEX NAME)

$$CH_2-CO_2H$$
 $CH-C \equiv C-Me$ 

RN 865231-81-8 CAPLUS

CN Benzenepropanoic acid,  $\beta$ -1-propynyl-4-[[4-(1H-pyrrol-1-yl)phenyl]methoxy]- (9CI) (CA INDEX NAME)

RN 865233-00-7 CAPLUS

CN Benzenepropanoic acid,  $4-[[4-(1H-benzimidazol-2-yl)phenyl]methoxy]-\beta-1-propynyl- (9CI) (CA INDEX NAME)$ 

$$\begin{array}{c|c} CH_2-O & & \\ & & \\ CH-C & C-Me \\ & & \\ CH_2-CO_2H_2 \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ \end{array}$$

RN 865233-01-8 CAPLUS

CN Benzenepropanoic acid,  $\beta$ -1-propynyl-4-[[4-(1H-1,2,4-triazol-1-yl)phenyl]methoxy]- (9CI) (CA INDEX NAME)

$$CH_2-O$$
 $CH-C = C-Me$ 
 $CH_2-CO_2H$ 

IC ICM A61K				
CC 25-17 (Benzer			sed Benzenoid C	ompounds)
	s-reference(s):			
IT 86271-60-5P	113085-35-1P	113085-36-2P	119998-52-6P	865231-45-4P
865231-46 <b>-</b> 5P	865231-47-6P	865231-48-7P	865231-49-8P	
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865231-51-2P	865231-52-3P	865231-53-4P	865231-54-5P	
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865231-60-3P				
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865303-22-6P			
DT (-1			

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of arylmethoxyphenyl-alkylcarboxylic acids and related derivs.

as GPCR40 ligands for use in treating metabolic disorders)

L14 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER:

2003:154382 CAPLUS

DOCUMENT NUMBER:

138:187795

TITLE:

Preparation of aryl or heterocyclyl-substituted benzoic acid and alkanoic acid derivatives as antagonists of prostaglandin E2 (PEG2) receptors Tani, Kousuke; Asada, Masaki; Kobayashi, Kaoru;

INVENTOR(S):

Narita, Masami; Ogawa, Mikio

PATENT ASSIGNEE(S):

Ono Pharmaceutical Co., Ltd., Japan

SOURCE:

PCT Int. Appl., 1009 pp. CODEN: PIXXD2

DOCUMENT TYPE:

Patent Japanese

LANGUAGE:

Japane

FAMILY ACC. NUM. COUNT: 1

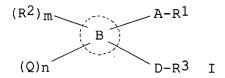
PATENT INFORMATION:

PA'	TENT	NO.			KIND DATE			APPLICATION NO.						DATE					
WO	2003	0162	54		A1		 2003	0227	WO 2002-JP8120						20020808				
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		PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL	, TJ,	TM,	TN,	TR,	TT	TZ,	UA,		
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	2006				A1		2006	1116			2004-					20040			
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				•					Ī	WO :	2002-	JP81:	20	1	N :	20020	808		

OTHER SOURCE(S):

MARPAT 138:187795

GΙ



AB Carboxylic acid derivs. (I) and nontoxic salts thereof [wherein R1 = CO2H,

CO2R4, CH2OH, COR5SO2R6, CONH2, CH2NR5SO2R6, CH2NR9COR10, CH2NR9CONR5SO2R6, CH2SO2NR9COR10, CH2O2CNR5SO2R6, tetrazole, 1,2,4-oxadiazol-5-one, 1,2,4-oxadiazol-5-thione,

1,2,4-thiadiazol-5-one,

etc. (wherein R4 = C1-6 alkyl, hydroxy-C1-4 alkyl, C1-4 alkoxy-C1-4 alkyl,

carboxy-C1-4 alkyl, etc.; R5, R9 = H, C1-6 alkyl; R6 = C1-6 alkyl, C3-15

mono-, di-, or tricarbocyclic, 3- to 13-membered mono-, di-, or tricyclic

heterocyclyl, etc.; R10 = H, R6); A = a single bond, C1-6 alkylene, C2-6

alkenylene, C2-6 alkynylene, etc.; the ring B = C3-12 mono- or dicyclic carbocyclic ring, 3- to 12-membered mono- or dicyclic heterocyclic ring;

R2 = C1-6 alkyl, C1-6 alkoxy, C1-6 alkylthio, C2-6 alkenyl, C2-6 alkynyl,

halo, CHF2, CF3, NO2, cyano, Ph, oxo; m, n = 0,1,2; Q = (C1-4 alkylene, C2-4 alkenylene, or C2-4 alkynylene)-Cyc2, -C1-4 alkylene-Z-Cyc3, amino-C1-4 alkyl, cyano-C1-4 alkyl, acylamino-C1-4 alkyl, 3- to 7-membered

monocyclic carbocyclyl, 3- to 6-membered monocyclic heterocyclyl, etc.
 (wherein Cyc2, Cyc3 = C3-15 mono-, di-, or tricyclic carbocyclyl or
 heterocyclyl, etc.; Z = O, S, SO, SO2, NH, NHCO, etc.); D = an linking
 chain consisting of 1-2 or 3-6 of atoms selected from C, N, O, or S,
etc.;

R3 = C1-6 alkyl, C3-15 mono-, di-, or tricyclic carbocyclyl, 3- to 15-membered mono-, di-, or tricyclic heterocyclyl, etc.] are prepared These

carboxylic acid derivs. include phenylpropanoic acid, phenylpropenoic acid, phenylpropanamide, phenylpropenamide, 3-oxoisoindolin-1-ylacetic acid, benzylbenzoic acid, benzylaminoacetic acid, pyrazolylmethylbenzoic

acid, benzoylaminoacetic acid, (pyrazolylmethylphenyl)propenoic acid, pyrazolylmethylpropanoic acid, (pyridinyloxyphenyl)propanoic acid, phenoxyacetic acid, phenylbutanoic acid, (pyrazolylmethyl)propanamide, (piperazinylmethylphenyl)propanamide,

(morpholinylmethylphenyl) propanamide

heat

and

, (pyridinyloxyphenyl)propanamide, (pyrazolylmethyl)propenamide (oxoimidazolidinylmethylphenyl)propanamide,

(oxopyrrolidinylmethylphenyl)p

ropenamide, (thiophenylmethylphenyl)propenamide, (pyrazolylmethylphenylamino)acetamide,

(thiazolylaminomethylphenyl)propana

mide, thiophenylpropenamide, (pyrazolylmethylphenoxy) acetamide, (phenoxymethyl) benzamide,

(pyrazolylmethylphenylethyl) -1,2,4-oxadiazol-5-

one, and (pyrazolylmethylphenylindolyl)acetic acid. Because of binding to

PEG2 receptors, in particular, subtype EP3 and/or subtype EP4 and having

antagonism, the compds. I are useful in preventing and/or treating diseases such as pain, allodynia, hyperalgesia, pruritus (itching), urticaria, atopic dermatitis, contact dermatitis, Urushi (Japanese lacquer

tree) dermatitis, allergic conjunctivitis, symptoms during dialysis, asthma, rhinitis, allergic rhinitis, nasal congestion, sneeze, psoriasis,

pollakiuria (increased urinary frequency), urination disorder, ejaculation

(semination) disorder, fever (pyrexia), systemic inflammation reaction, learning disorder, Alzheimer's disease, neovascularization, cancer formation, cancer proliferation, cancer metastasis to organs, cancer metastasis to bone, hypercalcemia accompanied by cancer metastasis to bone, retinopathy, rubrum, erythema (rash), leucoma, skin moth-patch,

burn, burn, steroid burn, kidney failure, nephropathy, acute or chronic nephritis, blood electrolyte disorder, imminent abortion, threatened abortion, excessive menstruation, dysmenorrhea, endometriosis, premenstrual syndrome, uterine gland myopathy, reproduction disorder,

stress. They are also useful in preventing and/or treating anxiety, depression, psychophysiol. disorder, mental retardation, thrombus, embolism, transient ischemic attack, cerebral infarction, atheroma, organ

transplant, heart failure, hypertension, myocardial infarction, arteriosclerosis, circulation disorders or ulcers associated therewith, nerve

disorders, vascular dementia, edema, diarrhea, constipation, biliary excretion disorder, ulcerative colitis, Crohn's disease, irritable bowel

syndrome, reduction of rebound after using steroid drugs, aids for decreasing

or removing steroid drugs, bone diseases, systemic granuloma, immune diseases, pyorrhea alveolaris, gingivitis, periodontal disease, nerve cell

death, lung disorder, liver disorder, acute hepatitis, myocardial ischemia, Kawasaki disease, multiple organ failure, chronic headache, angiitis, venous failure, varicose vein (varicosis), anal fistula, diabetes insipidus, neonatal patent ductus arteriosus, and cholelithiasis.

Thus, 4-hydroxymethyl-2-[2-(naphthalen-2-yl)ethoxy]cinnamic acid Et ester

was mesylated by methanesulfonyl chloride in the presence of Et3N in  $\overline{\mbox{THF}}$ 

at 0° for 15 min and condensed with pyrazole in the presence of NaH in DMF at 0° to give 2-[2-(naphthalen-2-yl)ethoxy]-4-(1-pyrazolylmethyl)cinnamic acid Et ester. <math>4-[2-[[2-(Naphthalen-1-yl)propanoyl]amino]-4-methylthiomethylphenyl]butanoic acid inhibited

the binding of [3H]PGE2 to prostaglandin E2 (PEG2) receptor subtype EP1, Ep2,

EP3, and EP4 expressed in CHO cells with Ki of >10, >10, 0.27, and 0.038

 $\mu$ M, resp. A tablet formulation containing (2E)-2-[2-(naphthalen-2-yl)ethoxy]-4-(1-pyrazolylmethyl)cinnamic acid was described. 499156-52-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of aryl or heterocyclyl-substituted benzoic acid and alkanoic

acid derivs. as antagonists of prostaglandin E2 (PEG2) receptors as therapeutic agents)

RN 499156-52-4 CAPLUS

CN Benzenepropanoic acid, 2-[[[1-(3,5-dimethylphenyl)-3-methylbutyl]amino]carbonyl]-4-[[4-(2-pyridinyl)phenyl]methoxy]- (CA INDEX

ICM C07C057-40
ICS C07C057-44; C07C069-736; C07C229-34; C07C233-47; C07C233-55; C07C233-65; C07C233-81; C07C233-87; C07C235-38; C07C235-42; C07C235-46; C07C235-48; C07C235-54; C07C235-56; C07C237-30; C07C239-18; C07C255-37; C07C255-55; C07C255-57
CC 28-17 (Heterocyclic Compounds (More Than One Hetero Atom))

Section cross-reference(s): 25, 27, 63
IT 499153-99-0P 499154-00-6P 499154-01-7P 499154-02-8P
499154-03-9P

499154-04-0P 499154-05-1P 499154-06-2P 499154-07-3P

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499155-98-5P			

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499156-87-5P
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of aryl or heterocyclyl-substituted benzoic acid and alkanoic

acid derivs. as antagonists of prostaglandin E2 (PEG2) receptors as therapeutic agents)

REFERENCE COUNT:

THERE ARE 14 CITED REFERENCES AVAILABLE FOR 14

THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

#### FORMAT

L14 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:435186 CAPLUS

DOCUMENT NUMBER: 135:55020

TITLE: Substituted phthalocyanines and their precursors

INVENTOR(S): Cook, Michael John; Heeney, Martin James

PATENT ASSIGNEE(S):

Gentian AS, Norway

SOURCE:

PCT Int. Appl., 146 pp.

CODEN: PIXXD2

DOCUMENT TYPE: LANGUAGE:

Patent English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

	PATENT NO.					KIND DATE			APPLICATION NO.						DATE			
	WO	2001	0423	68		A1	_	2001	0614	WO 2000-GB4708						20001208		
		W:	ΑE,	AG,	AL,	AM,	ΑT,	AU,	AZ,	BA,	BB,	, BG,	BR,	BY,	BZ,	CA,	CH,	CN,
												, FI,						
			HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	KP	, KR,	KZ,	LC,	LK,	LR,	LS,	LT,
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			YU,	ZA,	ZW								•	·	•	·		
		RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ	, TZ,	UG,	ZW,	AT,	BE,	CH,	CY,
			DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	IT	, LU,	MC,	NL,	PT,	SE,	TR,	BF,
			ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GW,	ML	, MR,	NE,	SN,	TD,	ΤG		
	CA	23948	391			A1		2001	0614		CA 2	2000-	2394	391		2	0001	208
	ΕP	12380	016			<b>A</b> 1		2002	0911		EP 2	2000-	98550	06		2	0001	208
		R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	, IT,	LI,	LU,	NL,	SE,	MC,	PT,
								RO,										
	JP	2003	51642	21		${f T}$		2003	0513		JP 2	2001-	5436	56		2	0001	208
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											HU 2	2003-	1099			.2	0001	208
		20030																
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											CD 1	2000-1	12246	5		л Э	0000	522
										'	GD 2	2000-	12340	0	4	H. Z	0000	322
										ı	GB 2	2000-2	2581	7		A 2	0001	020
										1	WO 2	2000-0	GB470	38	1	w 2	0001	208

OTHER SOURCE(S): MARPAT 135:55020

AB Process is claimed for the preparation of metal phthalocyanines and their

precursors including phthalonitrile sulfonate esters, substituted phthalonitriles and substituted phthalocyanines, phthalonitrile halides.

For example 3,6-didecylphthalonitrile was prepared from 3,6-bis(trifluoromethanesulfonyloxy)phthalonitrile and decylzinc iodide and reacted with 4,5-dibromo-3,6-dibutoxyphthalonitrile, prepared from bromination of 2,3-dicyanohydroquinone, in presence of Ni(OAc)2.4H2O to give [1,4-dibutoxy-2,3-dibromo-8,11,15,18,22,25-

hexadecylphthalocyaninato]nickel. The metal phthalocyanine derivs. have

applications as photosensitizers for use in photodynamic therapy. IT 344454-03-1P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN 344454-03-1 CAPLUS

CN Zinc, [butyl

O-[[4-[1,4-dibutoxy-8,11,15,18,22,25-hexakis(decyl)-29H,31H-phthalocyanin-2-yl-\kappaN29,\kappaN30,\kappaN31,\kappaN32]phenyl]meth
yl]tyrosinato(2-)]-, (SP-4-2)- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

PAGE 2-A

IC ICM C09B047-067 ICS C09B047-04; C07D487-22; A61K041-00; C07D487-22; C07D259-00; C07D209-00; C07D209-00; C07D209-00; C07D209-00 CC 78-7 (Inorganic Chemicals and Reactions)

Section cross-reference(s): 8, 28, 63, 74

ΙT 344453-48-1P 344453-52-7P 344453-53-8P 344453-58-3P 344453-60-7P

344453-63-0P 344453-64-1P 344453-65-2P 344453-82-3P

344453-83-4P

344453-85-6P 344453-84-5P 344453-86-7P 344453-87-8P

344453-91-4P

344453-92-5P 344453-95-8P 344453-96-9P 344453-97-0P

344453-98-1P

344454-03-1P 344570-54-3P

RL: SPN (Synthetic preparation); PREP (Preparation)

18

(preparation of)

REFERENCE COUNT:

THERE ARE 18 CITED REFERENCES AVAILABLE FOR

THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L14 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER:

1994:91520 CAPLUS

DOCUMENT NUMBER:

120:91520

TITLE:

Preparation of optically active biphenylcarboxylic

and

esters as liquid crystals and liquid crystal

compositions containing said esters

INVENTOR(S):

Nohira, Hiroyuki; Aoki, Yoshio; Nakamura, Shinichi

PATENT ASSIGNEE(S):

Canon Kk, Japan

SOURCE:

Jpn. Kokai Tokkyo Koho, 49 pp.

CODEN: JKXXAF

DOCUMENT TYPE:

Patent

LANGUAGE:

Japanese

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05221927 PRIORITY APPLN. INFO.:	A	19930831	JP 1992-26828 JP 1992-26828	19920213 19920213

OTHER SOURCE(S):

MARPAT 120:91520

GΙ

AB The title compds. I (R1, R2 = alkyl; X1 = single bond, O, CO2, etc.; X2 =

CO2, CH2O; A1, A2 = Q1, Q2, etc.; n = 0, 1; C\* indicates optical active C

atom) were prepared Reaction of acid chloride II with optically active

phenol derivative III in the presence of triethylenediamine gave title compound

IV with  $[\alpha]D = -18^{\circ}$  (chloroform). IV showed a phase transition temperature of 75.5° between the SA and Iso phases.

IT 152191-92-9

RL: PRP (Properties)

(liquid crystal composition)

RN 152191-92-9 CAPLUS.

tran

trans-4-(5-undecyl-2-pyrimidinyl)phenyl 4-propylcyclohexanecarboxylate
(9CI) (CA INDEX NAME)

CM 1

CRN 152191-91-8 CMF C33 H40 F4 N2 O4

MeO 
$$\sim$$
 CH2-O  $\sim$  CH2-CH2-C-O-(CH2)10-Me  $\sim$  CF3 O

CM 2

CRN 152191-81-6 CMF C31 H47 F3 N2 O

$$\begin{array}{c} \text{CF3} \\ \text{Me- (CH2)} \, \text{5-CH-CH2-O} \end{array} \qquad \qquad \begin{array}{c} \text{N} \\ \text{(CH2)} \, \text{11-Me} \end{array}$$

CM 3

CRN 152191-80-5 CMF C29 H43 F3 N2 O

$$\begin{array}{c|c} \text{CF}_3 \\ \text{Me- (CH}_2) \ 5-\text{CH-CH}_2-\text{O} \end{array} \qquad \begin{array}{c|c} \text{N} \\ \text{(CH}_2) \ 9-\text{Me} \end{array}$$

CM 4

CRN 121639-89-2 CMF C32 H48 N2 O2

Relative stereochemistry.

Me 
$$^{(CH_2)_{10}}$$
 N  $^{\circ}$  Bu-n

CM 5

CRN 121639-88-1 CMF C31 H46 N2 O2

Relative stereochemistry.

CM 6

CRN 121083-94-1 CMF C33 H50 N2 O2

Relative stereochemistry.

CM 7

CRN 57202-62-7 CMF C28 H44 N2 O

$$Me-(CH2)$$
 9 O-(CH<sub>2</sub>)7-Me

CM 8

CRN 57202-51-4 CMF C27 H42 N2 O

Me- 
$$(CH_2)_8$$
-0 (CH<sub>2</sub>) 7-Me

CM 9

CRN 57202-48-9 CMF C24 H36 N2 O

$$Me-(CH2)7$$
  $N$   $O-(CH2)5-Me$ 

IC ICM C07C069-773

> ICS C07C069-736; C07C069-75; C07C069-753; C07C069-757; C07C069-92; C07C069-94; C09K019-20; C09K019-30; C09K019-34; C09K019-42

CC 75-11 (Crystallography and Liquid Crystals)

Section cross-reference(s): 74

ΙT 152191-82-7 152191-84-9 152191-86-1 152191-88-3 152191-90-7

152191-92-9

RL: PRP (Properties)

(liquid crystal composition)

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FULL ESTIMATED COST	ENTRY 30.01	397.33
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.00	-4.00

STN INTERNATIONAL LOGOFF AT 20:41:59 ON 01 FEB 2008